

CIRCUIT-BREAKER N-RELEASE 33 A, SIZE S0, STARTER PROTECTION, 100 KA SCREW CONNECTION STANDARD BREAKING CAPACITY



Figure similar

|                                                         |                          |
|---------------------------------------------------------|--------------------------|
| product brandname                                       | SIRIUS                   |
| Product designation                                     | circuit breaker          |
| Design of the product                                   | for starter combinations |
| General technical data                                  |                          |
| Product extension                                       |                          |
| • Auxiliary switch                                      | Yes                      |
| Power loss [W] total typical                            | 6 W                      |
| Surge voltage resistance rated value                    | 6 000 V                  |
| Protection class IP                                     |                          |
| • on the front                                          | IP20                     |
| Shock resistance                                        | 25g / 11 ms              |
| Mechanical service life (switching cycles)              |                          |
| • of the main contacts typical                          | 100 000                  |
| Ambient conditions                                      |                          |
| Installation altitude at height above sea level maximum | 2 000 m                  |
| Ambient temperature                                     |                          |

|                    |                |
|--------------------|----------------|
| • during operation | -20 ... +60 °C |
| • during storage   | -50 ... +80 °C |
| • during transport | -50 ... +80 °C |

#### Main circuit

|                                                 |         |
|-------------------------------------------------|---------|
| <b>Number of poles for main current circuit</b> | 3       |
| <b>Operating voltage</b>                        |         |
| • rated value                                   | 690 V   |
| • at AC-3 rated value maximum                   | 690 V   |
| <b>Operating current</b>                        |         |
| • at AC-3                                       |         |
| — at 400 V rated value                          | 2.5 A   |
| <b>Operating power</b>                          |         |
| • at AC-3                                       |         |
| — at 400 V rated value                          | 0.75 kW |
| <b>Operating frequency</b>                      |         |
| • at AC-3 maximum                               | 15 1/h  |

#### Auxiliary circuit

|                              |   |
|------------------------------|---|
| <b>Number of CO contacts</b> |   |
| • for auxiliary contacts     | 0 |

#### Protective and monitoring functions

|                                                              |        |
|--------------------------------------------------------------|--------|
| <b>Maximum short-circuit current breaking capacity (Icu)</b> |        |
| • at AC at 240 V rated value                                 | 100 kA |
| • at AC at 400 V rated value                                 | 100 kA |
| • at AC at 500 V rated value                                 | 100 kA |
| • at AC at 690 V rated value                                 | 8 kA   |

#### Short-circuit protection

|                                                                    |          |
|--------------------------------------------------------------------|----------|
| <b>Design of the overcurrent release and short-circuit release</b> | magnetic |
|--------------------------------------------------------------------|----------|

#### Installation/ mounting/ dimensions

|                              |                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------|
| <b>Mounting position</b>     | any                                                                                    |
| <b>Mounting type</b>         | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| <b>Height</b>                | 97 mm                                                                                  |
| <b>Width</b>                 | 45 mm                                                                                  |
| <b>Depth</b>                 | 96 mm                                                                                  |
| <b>Required spacing</b>      |                                                                                        |
| • with side-by-side mounting |                                                                                        |
| — Backwards                  | 0 mm                                                                                   |
| — at the side                | 0 mm                                                                                   |

#### Connections/Terminals

|                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product function</b> <ul style="list-style-type: none"> <li>removable terminal for auxiliary and control circuit</li> </ul>                                                                                                                                                                          | No                                                                                                                                                                                                                         |
| <b>Type of electrical connection</b> <ul style="list-style-type: none"> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> </ul>                                                                                                                                      | screw-type terminals<br>screw-type terminals                                                                                                                                                                               |
| <b>Arrangement of electrical connectors for main current circuit</b>                                                                                                                                                                                                                                    | front side                                                                                                                                                                                                                 |
| <b>Type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>for main contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>at AWG conductors for main contacts</li> </ul> | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )<br>2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )<br>2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )<br>2x (14 ... 10) |

#### Certificates/approvals

| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                           | Declaration of Conformity | Test Certificates                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------|
| <br>CCC <br>CSA <br>UL <br>EAC <br>EG-Konf. |                           | <a href="#">spezielle Prüfbescheinigungen</a><br><a href="#">n</a> |

| Shipping Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | other                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <br>ABS <br>BUREAU VERITAS <br>DNV <br>GL <br>RMRS | <a href="#">Umweltbestätigung</a> |

| other                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">sonstig</a> <a href="#">Bestätigungen</a> <br>VDE |

#### Further information

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

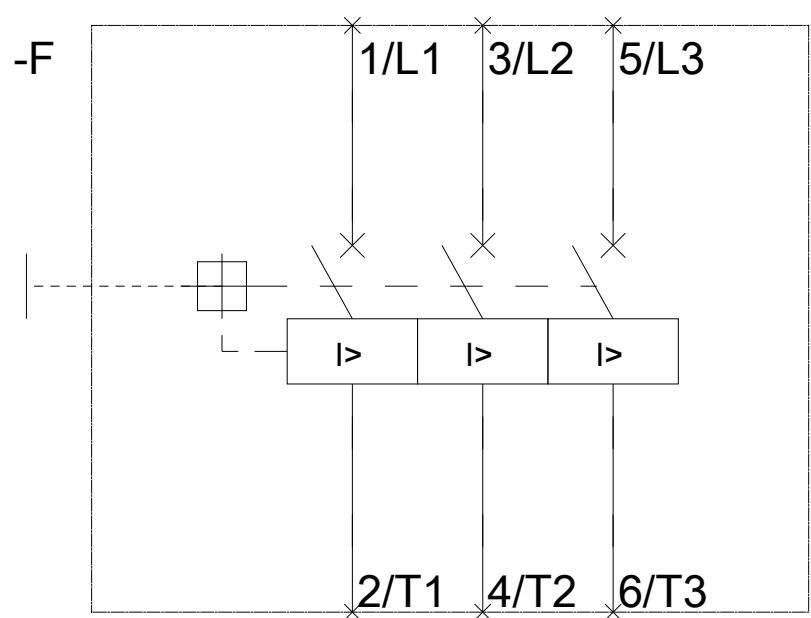
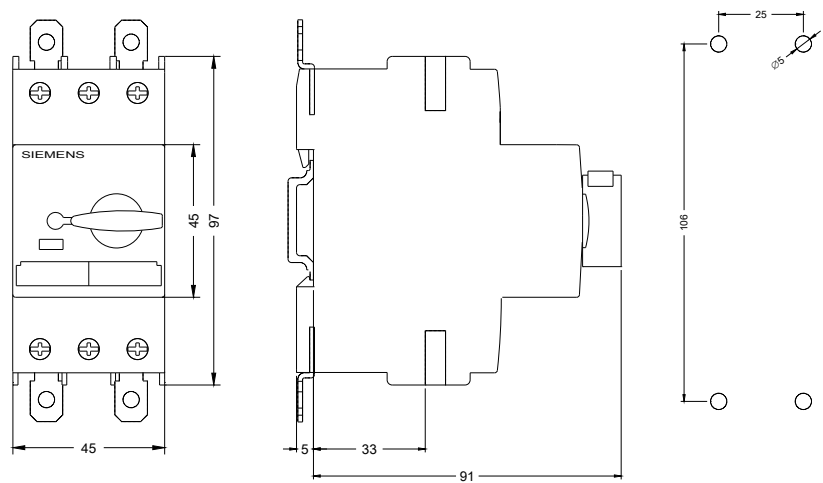
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1321-1CC10>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1321-1CC10>

##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1321-1CC10>



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